

Author Index

Ackil AA, 305
Adam RU, 294
Adelman LS, 79
Aicardi J, 163
Alvarez N, 309
Anagnostou A, 94
Anderson RE, 499
Angel RW, 98
Antler A, 283
Arnason BGW, 34, S65
Arsenio-Nunes ML, 163
Asbury AK, S1

Baldwin CA, 340
Bale JF, 499
Ballenger CE, 413
Barna BP, 28
Baxter RCH, 198
Becker DM, 514
Bell WE, 313, 417
Bender AN, 423
Bendheim PE, 405
Berg BO, 405
Bergey GK, 584
Bernstein LP, 416
Berry K, 413
Bertoni JM, 366
Bilbao JM, 296
Bird TD, 243
Birnbbaum G, 439
Boyd J, 328
Bradley WG, 513
Brandes DB, 551
Bray PF, 499
Bregman DJ, S31
Brierley JB, 131
Brill CB, 311
Britt RH, 107
Brocco K, 200
Brown F, S39
Brown MJ, S87
Burchiel KJ, 378
Burres SA, 563
Busto R, 273
Butler IJ, 205
Byrne TN Jr, 191

Cancilla P, 394
Carlen PL, 84
Cavalleri E, 309
Chokroverty S, 95
Choppin PW, 17
Chou SM, 506
Ciccone C, 433
Cohen ME, 353
Conomy J, 28
Cook ML, S102
Cook SD, S44, S70

Corbett JJ, 92
Cork LC, 492
Courjon J, 607
Coyle PK, 557
Crandall PH, 215
Crayton JW, 563
Crill WE, 243, 312
Cruz C, 400
Cummins KL, 67

Dalakas MC, S134
Damasio H, 92
Davis LE, 120
Delaney P, 513
Demarti D, 92
Deodhar SD, 28
Deuel RK, 312
DiMauro S, 283
Dooling EC, 526
Dorfman LJ, 67
Dowling PC, S44, S70
Duffner PK, 353
Dumas M, 92
Dyck PJ, 575
Dziedzic JD, 618

Ellison GW, 267
Endtz LJ, 204
Engel AG, 206
Engel J Jr, 215
Engel WK, S134
Enzmann DR, 107
Epstein CM, 309
Eskin TA, 621
Evans OB, 93
Eviatar L, 126

Fan KJ, 87
Farrell DF, 225, 232
Feibel JH, 182, 340
Feld R, 394
Fields HL, 101
Fine M, 358
Finer MA, 191
Fishman RA, 205
Fitzgerald S, 584
Frenay JJJ, 204
Frey H, 545
Fujita M, 42
Furie B, 620
Furlow TW Jr, 620

Gaull GE, 423
Giampaolo C, 328
Ginsberg MD, 515
Goldberg MA, 95
Golden GS, 515
Goldman JE, 185, 465
Goldstein PJ, 407
Golish J, 613
Gomez CM, 563
Gorelick P, 95
Goren H, 28

Gøthgen S, 309
Goutières F, 163
Goymerac V, 267
Groen JJ, 204
Grubb RL Jr, 502

Hakim AM, 334
Haller JS, 198
Hammerstad JP, 189
Harik SI, 100
Harris KC, 407
Hartford E, 309
Hartman J, 89
Hartz WH, 311
Hasue I, 414
Hawley RJ, 289
Hayashi H, 292
Henriksen L, 454
Herman K, 142
Holman RC, S31
Homan RW, 611
Hopkins LC, 237
Horoupian DS, 185
Horten B, 251
Hosoki M, 42
Hoyt WF, 537
Huang H, S146
Hufschmidt A, S125
Hughes RAC, S125
Hunder H, 575
Hurwitz BJ, 237
Hurwitz ES, S31

Ionasescu R, 394
Ionasescu V, 394
Iqbal A, S65
Iqbal K, 618

Jacob M, 84
Jacobs B, 28
Jacobs L, 309
Jansen EC, 53
Jimenez D, 251
Johns ME, 531
Johnson ES, 301
Johnson KP, 21
Johnson RT, 616
Jones HR Jr, 93
Jones MG, 611
Jones MW, 413
Joseph BS, 371
Joynt RJ, 182, 340

Kadlubowski M, S125
Kaeding L, 394
Kam-Hansen S, 569
Kaminska AM, 605
Kardel T, 597
Kark RAP, 514
Karnes JL, 575
Karp HR, 309
Katona P, S31
Katz D, 465

Kaufman MD, 237
Keane JR, 409
Kelley CC, 267
Kelley RE, 267
Kennard C, 58
Kern ER, 499
Knob' RL, 194
Kobayashi T, 476
Kogure K, 273
Korsvik H, 511
Kosik K, 620
Kotilinek L, 439
Kramer LD, 531
Krumholz A, 407
Kuhl DE, 215
Kundu K, 202
Kurihara M, 414
Kuroiwa Y, 150
Kurtzke JF, 96
Kuzuhara S, 506

Lais AC, 575
Lambert CD, 296
Landau WM, 98, 514
Lange DJ, 79
Larrick SB, 267
Larsen B, 344
Lathi ES, 79
Laurenzi MA, 569
Lauritzen M, 344
Lazzarini RA, 616
Lee MA, 84
Leshner RT, 413, 622
Levine RA, 384
Lewitt PA, 618
Lieb JP, 215
Light R, 513
Link H, 569
Liu X, S146
Livshits O, 84
Low PA, 575
Lowe S, 97
Ludwin SK, 301

Ma BI, 371, 551
MacMartin MP, 232
Major LF, 289
Mancall EL, 311
Manyam BV, 198
Marsden CD, 48
Masdeu JC, 95, 358
Massey EW, 97
Mastaglia FL, 157
Masucci EF, 96
Matre R, S80
Mattson DH, 34
Mauguière F, 607
McBride MC, 526
McLeod JG, S20
Mechler F, 157
Meienberg O, 537
Miller F, 200, 511
Miller JR, 590

- Miranda AF, 283
 Mirra SS, 174
 Mitsumoto H, 613
 Miyazaki M, 42
 Montgomery EB Jr, 502
 Mørk S, S80
 Moseley TAE III, 191
 Motomura S, 150
 Murakami S, 199
 Myers LW, 267

 Nelson PG, 584
 Neumann MA, 310
 Newman RP, 309
 Nielsen VK, 597
 Nikoskelainen E, 545
 Norrby E, 569
 Nutt JG, 189
 Nyland H, S80

 Ochs U, 225
 Oger JJ-F, S65
 Olesen J, 344
 Oppenheimer EY, 526

 Palacios E, 358
 Panitch H, 433
 Pappius HM, 334, 484
 Parhad IM, 21
 Parkes JD, 48, 198
 Partin J, 366
 Pascoe MD, 200
 Patterson M, 200
 Paula-Barbosa MM, 400
 Paulson OB, 53, 454
 Pedley TA, 142
 Penry JK, 3
 Pepose JS, S102
 Perlman S, 514
 Perper JA, 458
 Pessin MS, 79
 Petruch F, 63
 Plishker G, 516
 Plum F, 1, 514, 622
 Pololi-Anagnostou L, 94
 Potvin AR, 371, 551

 Poumier C, 92
 Prager RJ, 79
 Prenskey AL, 206
 Price DL, 492
 Price PA, 198
 Price RW, 251
 Prineas JW, S6
 Pritzker KPH, 296
 Purpura DP, 465

 Raichle ME, 502
 Rao GR, 458
 Rapin I, 465
 Rausch R, 215
 Reik L Jr, 621
 Remington JS, 107
 Rice JE III, 131
 Richman DP, 563
 Robinson RG, 447
 Roos RP, 34
 Rosenberg M, 537
 Roström B, 569
 Rowland LP, 283
 Rudick RA, 621
 Russell DH, 605
 Ruth RA, 531

 Saida K, S87
 Saida T, S87
 Sakai T, 199
 Salanga VD, 613
 Salmi A, 545
 Sande M, 328
 Sanders DB, 531
 Satake M, 292
 Savory J, 328
 Schachter M, 48, 198
 Schaffner F, 423
 Scheglmann K, 63
 Scheinberg P, 273
 Scheld M, 328
 Schmidley JW, 81
 Schonberger LB, S31
 Schrier BK, 584
 Schubert DSP, 200
 Schurta HS, 194

 Schwartzman RJ, 366
 Seifert WE Jr, 205
 Shahani BT, 305
 Shewmon DA, 358
 Shibasaki H, 150
 Shii H, 150
 Shiraishi S, 199
 Silberberg DH, S87
 Simon RP, 81
 Sivak ED, 613
 Sladek CM, 182
 Smith B, 48
 Smith RJ, 454
 Smith SJ, 198
 Snyder SH, 289
 So EL, 3
 Somasundaram M, 194
 Sørensen PS, 53
 Sparks M, 575
 Spector RH, 517
 Spencer SS, 207
 Strigley JR, 296
 Stappenbeck R, 309
 Stark L, 537
 Stark RJ, 58
 Steinberg AD, S117
 Steiness E, 53
 Stern LZ, 283, 394, 605
 Stevens JG, S102
 Stewart G, 294
 Stöhr M, 63, 204
 Streib EW, 75
 Strittmatter W, 312
 Suga M, 292
 Sumner AJ, S28
 Sun SF, 75
 Suzuki, Kinuko, 465
 Suzuki, Kunihiko, 476
 Swaiman KF, 584
 Swash M, 58
 Swift TR, 413
 Swoveland P, 21
 Szetela B, 447

 Tallan HH, 423
 Tanabe H, 414

 Taurog JD, S107
 Terrence CF, 458
 Tharp BR, 142
 Thompson EJ, 202
 Toglia JU, 294
 Tonzola RF, 305
 Tourtellotte WW, 371, 551
 Tran VT, 289
 Trombley IK, 174
 Troncoso JC, 492
 Troost BT, 517
 Tsubaki T, 292

 Uchigata M, 414

 Vallar JM, 92
 Van Horn G, 366
 Vannucci RC, 131
 Vulovic D, 423

 Wahren B, 569
 Waksman BH, 616
 Walsh FS, 202
 Walsh MJ, 371, 551
 Weir RL, 87
 Weiss HD, 407
 Weymuller EA Jr, 403
 Whitaker JN, S56
 Whittaker CK, 309
 Wilbourne AJ, 613
 Williams LL, 513
 Williams RS, 516
 Wills M, 328
 Wilson A, 48
 Windebank AJ, 575
 Wisniewski HM, 618
 Witte D, 394
 Wolinsky JS, 21, 557
 Wyler AR, 403

 Yamashita Y, 150
 Yang Y, S146
 Yasin R, 202
 Young RR, 305

 Zangemeister WH, 537
 Zhao B, S146

Subject Index

- Acetylcholine receptor**
myasthenia induced by monoclonal anti-acetylcholine receptor antibodies, clinical and electrophysiological aspects (Burres et al), 563
- Acid maltase**
adult-onset acid maltase deficiency presenting as diaphragmatic paralysis (Sivak et al), 613
- Acoustic reflex**
comparison of stapedial reflex fatigue with repetitive stimulation and single-fiber EMG in myasthenia gravis (Kramer et al), 531
- Action potentials**
ectopic impulse generation in demyelinated axons, effects of Pa_{CO_2} , pH, and disodium edetate (Burchiel), 378
- S-Adenosylmethionine**
methioninemia and myopathy, a new disorder (Gaull et al), 423
- Ad hoc reviewers**, 2
- β -Adrenergic receptors**
GABA receptors are increased in brains of alcoholics (Tran et al), 289
- Adrenocorticotrophic hormone**
autologous lymphocyte proliferation in multiple sclerosis and effect of intravenous ACTH (Birnbaum and Kotilinek), 439
- Adult epilepsy**
epilepsy in adults (So and Penry), *NEUROLOGICAL PROGRESS*, 3
- Age**
effect of age on CSF metabolites (Fishman), *LETTER*, 205; reply (Butler and Seifert), *LETTER*, 205
- Alcohol**
brief and mild alcohol intake can increase serum creatine phosphokinase (Schubert et al), *NOTE*, 200
- Alcoholism**
GABA receptors are increased in brains of alcoholics (Tran et al), 289
parkinsonism provoked by alcoholism (Carlen et al), 84
- Alcohol withdrawal**
parkinsonism provoked by alcoholism (Carlen et al), 84
- Alpha-pattern coma**
alpha-pattern coma in a 2-month-old child (Homan and Jones), 611
- Alzheimer disease**
monoamine oxidase activity in normal and Alzheimer brains (Dziedzic et al), *LETTER*, 618
- Amantadine**
amantadine in essential tremor (Manyam), *NOTE*, 198
- γ -Aminobutyric acid**
baclofen in treatment of stiff-man syndrome (Miller and Korsvik), 511
GABA receptors are increased in brains of alcoholics (Tran et al), 289
- Amitriptyline**
gaze paresis in amitriptyline overdose (Delaney and Light), *LETTER*, 513
- Amphotericin B**
treatment of fungal infections of the central nervous system (Bell), *NEUROLOGICAL PROGRESS*, 417
- Amyotrophic lateral sclerosis**. *See* Motor neuron disease
- Analgesics**
pain II, new approaches to management (Fields), *NEUROLOGICAL PROGRESS*, 101
- Animal models**
canine inherited ataxia (Cork et al), 492
cell-mediated immunity in idiopathic polyneuritis (Iqbal et al), S65
encephalitis after inhalation of measles virus, pathogenetic study in hamsters (Parhad et al), 21
experimental allergic neuritis induced by galactocerebroside (Saida et al), S87
induction of recurrent experimental allergic encephalomyelitis with myelin basic protein (Panitch and Ciccone), 433
influence of immaturity on hypoxic-ischemic brain damage in the rat (Rice et al), 131
Marek's disease, a natural model for Landry-Guillain-Barré syndrome (Stevens et al), S102
measles virus and chronic neurological diseases (Choppin), *EDITORIAL*, 17
myasthenia induced by monoclonal anti-acetylcholine receptor antibodies, clinical and electrophysiological aspects (Burres et al), 563
permanent axotomy, a model of axonal atrophy and secondary segmental demyelination and remyelination (Dyck et al), 575
protein antigens of peripheral nerve myelin (Whitaker), S56
- Antibiotics**
leukocyte and bacterial interrelationships in experimental meningitis (Giampaolo et al), 328
treatment of bacterial infections of the central nervous system (Bell), *NEUROLOGICAL PROGRESS*, 313
- Antibodies**
characterization of immune complexes in progressive rubella panencephalitis (Coyle and Wolinsky), 557
myasthenia induced by monoclonal anti-acetylcholine receptor antibodies, clinical and electrophysiological aspects (Burres et al), 563
prognosis of optic neuritis with special reference to cerebrospinal fluid immunoglobulins and measles virus antibodies (Nikoskelainen et al), 545
quantification of de novo central nervous system IgG measles antibody synthesis in SSPE (Tourtellotte et al), 551
role of autoantibody and immune complexes in pathogenesis of Guillain-Barré syndrome (Cook and Dowling), S70
viral antibody activity of oligoclonal and polyclonal immunoglobulins synthesized within the central nervous system in multiple sclerosis (Roström et al), 569
- Antibody synthesis**
viral antibody activity of oligoclonal and polyclonal immunoglobulins synthesized within the central nervous system in multiple sclerosis (Roström et al), 569
- Anticonvulsants**
adverse effects of phenobarbital on morphological and biochemical development of fetal mouse spinal cord neurons in culture (Bergey et al), 584
costs of anticonvulsant therapy (Goldberg), *LETTER*, 95
neurogenic pulmonary edema in unexpected, unexplained death of epileptic patients (Terrence et al), 458

January issue, pp 1-100; February issue, pp 101-206; March issue, pp 207-312; April issue, pp 313-416; May issue, pp 417-516; June issue, pp 517-622; Supplement, pp S1-S148.

- Antidiuretic hormone**
antidiuretic hormone levels in stroke patients (Joynt et al), 182
- Antifungal drugs**
treatment of fungal infections of the central nervous system (Bell), *NEUROLOGICAL PROGRESS*, 417
- Antigen immunofixation**
viral antibody activity of oligoclonal and polyclonal immunoglobulins synthesized within the central nervous system in multiple sclerosis (Roström et al), 569
- Aphasia**
measurement of early spontaneous recovery from aphasia with stroke (Hartman), 89
- Apnea**
epilepsy complicated by sleep apnea (Wyler and Weymuller), 403
- Archimedes spiral**
amantadine in essential tremor (Manyam), *NOTE*, 198
- Arsenic**
arsenic and antique copper, potential source for intoxication and development of peripheral neuropathy (Jones), *LETTER*, 93
- Astereognosis**
astereognosis in brainstem lesions (Endtz et al), *LETTER*, 204
- Asterixis**
asterixis and encephalopathy following metrizamide myelography, investigations into possible mechanisms and review of the literature (Bertoni et al), 366
- Ataxia. See also Cerebellar ataxia; Friedreich's ataxia**
ataxic hemiparesis from midbrain mass (Bendheim and Berg), 405
barognosis in hemiataxia (Landau), *LETTER*, 98; reply (Angel), *LETTER*, 98
canine inherited ataxia (Cork et al), 492
normal muscle pyruvate oxidation in spinocerebellar degenerations (Evans), *LETTER*, 93
pattern-reversal visual evoked potentials in the hereditary ataxias and spinal degenerations (Bird and Crill), 243
permanent axotomy, a model of axonal atrophy and secondary segmental demyelination and remyelination (Dyck et al), 575
spinocerebellar degeneration with parkinsonian features (Weir and Fan), 87
- Ataxic hemiparesis**
ataxic hemiparesis from midbrain mass (Bendheim and Berg), 405
- Autologous lymphocyte proliferation**
autologous lymphocyte proliferation in multiple sclerosis and effect of intravenous ACTH (Birnbaum and Kotilinek), 439
- Axonal atrophy**
permanent axotomy, model of axonal atrophy and secondary segmental demyelination and remyelination (Dyck et al), 575
- Axons**
ectopic impulse generation in demyelinated axons, effects of PaCO_2 , pH, and disodium edetate (Burchiel), 378
- Axotomy**
permanent axotomy, a model of axonal atrophy and secondary segmental demyelination and remyelination (Dyck et al), 575
- Baclofen**
baclofen in treatment of stiff-man syndrome (Miller and Korsvik), 511
- Bacterial infections. See Infectious diseases**
- Bacterial titer**
leukocyte and bacterial interrelationships in experimental meningitis (Giampaolo et al), 328
- Barognosis**
barognosis in hemiataxia (Landau), *LETTER*, 98; reply (Angel), *LETTER*, 98
- Basal ganglia**
bilateral mineral deposits in basal ganglia and cerebellum (Neumann), *LETTER*, 310
chronic G_{MI} gangliosidosis presenting as dystonia, clinical and pathological features (Goldman et al), 465
- Basilar artery migraine**
vestibular testing in basilar artery migraine (Eviatar), 126
- Bell's palsy**
experimental viral infections of facial nerve and geniculate ganglion (Davis), 120
- Benzodiazepine receptors**
GABA receptors are increased in brains of alcoholics (Tran et al), 289
- Binaural interaction**
binaural interaction in brainstem potentials of human subjects (Levine), 384
- Bioequivalence**
low blood levels of phenobarbital due to poor gastrointestinal solubility of phenobarbital tablets (Alvarez et al), *LETTER*, 309
- Blepharospasm**
blepharospasm and oromandibular dystonia (Meige's syndrome) in sisters (Nutt and Hammerstad), 189
- Blood viscosity**
cerebral blood flow following normovolemic hemodilution in patients with high hematocrit (Henriksen et al), 454
- Books**
books received, 99, 415
Cerebral Motor Control in Man: Long Loop Mechanisms, edited by Desmedt (Crill), 312
Cerebrovascular Diseases: Eleventh Princeton Conference, edited by Price and Nelson (Ginsberg), 515
Children's Learning and Attention Problems, by Kinsbourne and Caplan (Golden), 515
Choline and Lecithin in Brain Disorders, edited by Barbeau, Growdon, and Wurtman (Harik), 99
The Concept of a Blood-Brain Barrier, by Bradbury (Plum), 622
Current Practice of Clinical Electroencephalography, edited by Klass and Daly (Prensky), 206
Current Topics in Nerve and Muscle Research, edited by Aguayo and Karpai (Engel), 206
Dyslexia Defined, by Critchley and Critchley (Deuel), 312
Haemorrhage, Ischaemia and the Perinatal Brain, by Pape and Wigglesworth (Williams), 516
Huntington's Disease, edited by Chase, Wexler, and Barbeau (Plishker), 516
Integrative Functions of the Autonomic Nervous System, edited by Brooks, Koizumi, and Sato (Strittmatter), 312
Physiological Tremor, Pathological Tremor and Clonus, edited by Desmedt (Crill), 312
Posture and Movement, edited by Talbot and Humphrey (Bernstein), 416
Tuberous Sclerosis, edited by Gomez (Leshner), 622
- Brain abscess**
intracranial infection in cardiac transplant recipients (Britt et al), 107
treatment of bacterial infections of the central nervous system (Bell), *NEUROLOGICAL PROGRESS*, 313

- Brain damage**
 influence of immaturity on hypoxic-ischemic brain damage in the rat (Rice et al), 131
 postischemic hypervascularity of infancy, stage in evolution of ischemic brain damage with characteristic CT scan (Shewmon et al), 358
- Brain death**
 galvanic vestibular tests in assessment of coma and brain death (Toglia et al), 294
- Brain injury**
 local cerebral glucose utilization in thermally traumatized rat brain (Pappius), 484
 mood change following left hemispheric brain injury (Robinson and Szetela), 447
- Brainstem**
 astereognosis in brainstem lesions (Endtz et al), LETTER, 204
 binaural interaction in brainstem potentials of human subjects (Levine), 384
- Brainstem auditory evoked responses. See Evoked responses, auditory**
- Brainstem hemorrhage**
 recovery following brainstem hemorrhage (Vallat et al), LETTER, 92
- Brainstem vascular malformation**
 recovery following brainstem hemorrhage (Vallat et al), LETTER, 92
- Calcium**
 bilateral mineral deposits in basal ganglia and cerebellum (Neumann), LETTER, 310
 ectopic impulse generation in demyelinated axons, effects of PaCO_2 , pH, and disodium edetate (Burchiel), 378
- Cancer. See Tumors**
- Canine distemper virus**
 measles virus and chronic neurological diseases (Chopin), EDITORIAL, 17
- Capillary proliferation**
 postischemic hypervascularity of infancy, stage in evolution of ischemic brain damage with characteristic CT scan (Shewmon et al), 358
- Carbamazepine**
 palatal myoclonus responding to carbamazepine (Sakai et al), LETTER, 199
- Carcinoma. See Tumors**
- Cardiac transplantation**
 intracranial infection in cardiac transplant recipients (Britt et al), 107
- Catecholamine overactivity**
 catecholamine-associated refractory hypertension following acute intracranial hemorrhage, control of propranolol (Feibel et al), 340
- Cats**
 ectopic impulse generation in demyelinated axons, effects of PaCO_2 , pH, and disodium edetate (Burchiel), 378
 permanent axotomy, a model of axonal atrophy and secondary segmental demyelination and remyelination (Dyck et al), 575
- Cell fusion**
 nerve cell fusion in a case of subacute sclerosing panencephalitis (Paula-Barbosa et al), 400
- Central nervous system**
 mechanisms of virus persistence (Johnson et al), CONFERENCE REPORT, 616
 quantification of de novo central nervous system IgG measles antibody synthesis in SSPE (Tourtellotte et al), 551
 treatment of bacterial infections of the central nervous system (Bell), NEUROLOGICAL PROGRESS, 313
 treatment of fungal infections of the central nervous system (Bell), NEUROLOGICAL PROGRESS, 417
- Central nervous system damage**
 progressive neurological disease associated with chronic cytomegalovirus infection (Bray et al), 499
- Central pontine myelinolysis**
 demyelination of lateral geniculate nucleus in central pontine myelinolysis (Goldman and Horoupian), 185
- Cerebellar ataxia**
 absence of REM sleep in patients with spinocerebellar degeneration and slow saccades (Masdeu et al), LETTER, 95
- Cerebellum**
 barognosis in hemiataxia (Landau), LETTER, 98; reply (Angel), LETTER, 98
 bilateral mineral deposits in basal ganglia and cerebellum (Neumann), LETTER, 310
 measurement of erythropoietin levels in follow-up of patients with cerebellar hemangioblastoma (Pololi-Anagnostou and Anagnostou), LETTER, 94
- Cerebral blood flow**
 cerebral blood flow following normovolemic hemodilution in patients with high hematocrit (Henriksen et al), 454
 cerebral hemodynamics and metabolism in postoperative cerebral vasospasm and treatment with hypertensive therapy (Montgomery et al), 502
 focal hyperemia followed by spreading oligemia and impaired activation of rCBF in classic migraine (Olesen et al), 344
- Cerebral calcification**
 bilateral mineral deposits in basal ganglia and cerebellum (Neumann), LETTER, 310
- Cerebral capillary telangiectasis**
 recovery following brainstem hemorrhage (Vallat et al), LETTER, 92
- Cerebral circulation. See Cerebral blood flow**
- Cerebral edema**
 role of hydrostatic pressure in ischemic brain edema (Kogure), 273
- Cerebral hemorrhage. See also Stroke**
 catecholamine-associated refractory hypertension following acute intracranial hemorrhage, control with propranolol (Feibel et al), 340
 cerebral hemodynamics and metabolism in postoperative cerebral vasospasm and treatment with hypertensive therapy (Montgomery et al), 502
 "wrong-way eyes" in supratentorial hemorrhage (Pessin et al), 79
- Cerebral hypoxia**
 alpha-pattern coma in 2-month-old child (Homan and Jones), 611
- Cerebral ischemia**
 focal hyperemia followed by spreading oligemia and impaired activation of rCBF in classic migraine (Olesen et al), 344
 influence of immaturity on hypoxic-ischemic brain damage in the rat (Rice et al), 131
 postischemic hypervascularity of infancy, stage in evolution of ischemic brain damage with characteristic CT scan (Shewmon et al), 358
 role of hydrostatic pressure in ischemic brain edema (Kogure et al), 273
 vestibular testing in basilar artery migraine (Eviatar), 126

- Cerebral metabolism
local cerebral glucose utilization in thermally traumatized rat brain (Pappius), 484
- Cerebral oxygenation
cerebral hemodynamics and metabolism in postoperative cerebral vasospasm and treatment with hypertensive therapy (Montgomery et al), 502
- Cerebral palsy
prognostic indicators in hemiparetic cerebral palsy (Cohen and Duffner), 353
- Cerebral vasospasm
cerebral hemodynamics and metabolism in postoperative cerebral vasospasm and treatment with hypertensive therapy (Montgomery et al), 502
focal hyperemia followed by spreading oligemia and impaired activation of rCBF in classic migraine (Olesen et al), 344
comparison of agar gel electrophoresis and isoelectric focusing in multiple sclerosis and subacute sclerosing panencephalitis (Mattson et al), 34
measurement of erythropoietin levels in follow-up of patients with cerebellar hemangioblastoma (Pololi-Anagnostou and Anagnostou), LETTER, 94
multiple sclerosis serum and cerebrospinal fluid immunoglobulin binding to Fc receptors of oligodendrocytes (Ma et al), 371
postictal pleocytosis (Schmidley and Simon), 81
prognosis of optic neuritis with special reference to cerebrospinal fluid immunoglobulins and measles virus antibodies (Nikoskelainen et al), 545
treatment of bacterial infections of the central nervous system (Bell), NEUROLOGICAL PROGRESS, 313
- Cerebrospinal fluid metabolites
effect of age on CSF metabolites (Fishman), LETTER, 205; reply (Butler and Seifert), LETTER, 205
- Cervical cord lesion
astereognosis in brainstem lesions (Endtz et al), LETTER, 204
- Cervical spondylosis
hand wasting in spondylotic high cord compression, electromyographic study (Stark et al), 58
- Charcot-Marie-Tooth disease
variability of Charcot-Marie-Tooth disease (Bradley), LETTER, 513; reply (Williams), LETTER, 513
- Chickens
Marek's disease, a natural model for Landry-Guillain-Barré syndrome (Stevens et al), S102
- Childhood
complex partial status epilepticus in young children (McBride et al), 526
prognostic indicators in hemiparetic cerebral palsy (Cohen and Duffner), 353
ultramicroscopic study of skin and conjunctival biopsies in chronic neurological disorders of childhood (Arsenio-Nunes et al), 163
- China
acute polyradiculitis (Guillain-Barré syndrome), epidemiological study of 156 cases observed in Beijing (Zhao et al), S146
- Chlorambucil
myoclonic seizures following chlorambucil overdose (Byrne et al), 191
- Chronic idiopathic polyneuritis. *See* Guillain-Barré syndrome
- Chronic infection
characterization of immune complexes in progressive rubella panencephalitis (Coyle and Wolinsky), 557
- measles virus and chronic neurological diseases (Chopin), EDITORIAL, 17
mechanisms of virus persistence (Johnson et al), CONFERENCE REPORT, 616
prolonged intracerebral infection with poliovirus in asymptomatic mice (Miller), 590
- Chronic neurological disorders
ultramicroscopic study of skin and conjunctival biopsies in chronic neurological disorders of childhood (Arsenio-Nunes et al), 163
- Chronic relapsing polyneuropathy. *See* Guillain-Barré syndrome
- Classification
variability of Charcot-Marie-Tooth disease (Bradley), LETTER, 513; reply (Williams), LETTER, 513
- Clonazepam
clonazepam in dialysis encephalopathy (Pascoe), LETTER, 200
- Coma
alpha-pattern coma in a 2-month-old child (Homan and Jones), 611
galvanic vestibular tests in assessment of coma and brain death (Toglia et al), 294
gaze paresis in amitriptyline overdose (Delaney and Light), LETTERS, 513
inverse ocular bobbing (Knobler et al), 194
sustained upgaze in coma (Keane), 409
- Complement
immunological characterization of sural nerve biopsies from patients with Guillain-Barré syndrome (Nyland et al), S80
- Complex partial seizures
complex partial status epilepticus in young children (McBride et al), 526
epilepsy complicated by sleep apnea (Wyler and Weymuller), 403
- Computerized tomography
correlation of criteria used for localizing epileptic foci in patients considered for surgical therapy of epilepsy (Engel et al), 215
epilepsy in adults (So and Penry), NEUROLOGICAL PROGRESS, 3
postischemic hypervascularity of infancy, stage in evolution of ischemic brain damage with characteristic CT scan (Shewmon et al), 358
prognostic indicators in hemiparetic cerebral palsy (Cohen and Duffner), 353
- Conduction velocity
nerve fiber conduction velocity distributions, studies of normal and diabetic human nerves (Cummins and Dorfman), 67
progressive sensory neuropathy in patients with carcinoma, disorder with distinctive clinical and electrophysiological findings (Kaufman et al), 237
- Conference report
mechanisms of virus persistence (Johnson et al), 616
- Conjugate eye deviation
"wrong-way eyes" in supratentorial hemorrhage (Pessin et al), 79
- Conjunctival biopsy
ultramicroscopic study of skin and conjunctival biopsies in chronic neurological disorders of childhood (Arsenio-Nunes et al), 163
- Copper
arsenic and antique copper, potential source for intoxication and development of peripheral neuropathy (Jones), LETTER, 93

- Correction**
the editor edited (Landau), LETTER, 514; reply (Plum), LETTER, 514
- Cost**
costs of anticonvulsant therapy (Goldberg), LETTER, 95
- Creatine kinase**
alterations in creatine kinase in fresh muscle and cell cultures in Duchenne dystrophy (Ionasescu et al), 394
- Creatine phosphokinase**
brief and mild alcohol intake can increase serum creatine phosphokinase (Schubert et al), NOTE, 200
- Creutzfeldt-Jacob disease**
periodic synchronous discharge and myoclonus in Creutzfeldt-Jacob disease, diagnostic application of jerk-locked averaging method (Shibasaki et al), 150
- C3b**
immunological characterization of sural nerve biopsies from patients with Guillain-Barré syndrome (Nyland et al), 580
- Cytomegalovirus**
progressive neurological disease associated with chronic cytomegalovirus infection (Bray et al), 499
role of infection in Guillain-Barré syndrome (Dowling and Cook), 544
- Debrancher deficiency**
glycogen debrancher deficiency is reproduced in muscle culture (Miranda et al), 283
- Defective interfering particles**
mechanisms of virus persistence (Johnson et al), CONFERENCE REPORT, 616
- Demyelination. See also specific disease**
demyelination of lateral geniculate nucleus in central pontine myelinolysis (Goldman and Horoupian), 185
ectopic impulse generation in demyelinated axons, effects of Pa_{CO_2} , pH, and disodium edetate (Burchiel), 378
evidence for "dying-back" gliopathy in demyelinating disease (Ludwin and Johnson), 301
permanent axotomy, a model of axonal atrophy and secondary segmental demyelination and remyelination (Dyck et al), 575
protein antigens of peripheral nerve myelin (Whitaker), 556
- Depth electrodes**
correlation of criteria used for localizing epileptic foci in patients considered for surgical therapy of epilepsy (Engel et al), 215
depth electroencephalography in selection of refractory epilepsy for surgery (Spencer), NEUROLOGICAL PROGRESS, 207
- Development**
adverse effects of phenobarbital on morphological and biochemical development of fetal mouse spinal cord neurons in culture (Bergey et al), 584
influence of immaturity on hypoxic-ischemic brain damage in the rat (Rice et al), 131
- Diabetes**
diabetic thoracoabdominal neuropathy, clinical and electrodiagnostic features (Sun and Streib), 75
nerve fiber conduction velocity distributions, studies of normal and diabetic human nerves (Cummins and Dorfman), 67
- Diabetic thoracoabdominal neuropathy**
diabetic thoracoabdominal neuropathy, clinical and electrodiagnostic features (Sun and Streib), 75
- Diagnosis**
diagnostic considerations in Guillain-Barré syndrome (Asbury), S1
molecular approach to diagnosis of virus infections (Brown), S39
- Diagnostic signs**
dissociated quadriceps-hamstring weakness, clue to clinical diagnosis of Guillain-Barré syndrome (Masucci and Kurtzke), LETTER, 96
- Diagnostic tests**
comparison of stapedial reflex fatigue with repetitive stimulation and single-fiber EMG in myasthenia gravis (Kramer et al), 531
galvanic vestibular tests in assessment of coma and brain death (Toglia et al), 294
- Dialysis encephalopathy**
clonazepam in dialysis encephalopathy (Pascoe), LETTER, 200
- Diaphragm**
adult-onset acid maltase deficiency presenting as diaphragmatic paralysis (Sivak et al), 613
- Diaphragmatic movements**
preservation of phrenic motoneurons in Werdnig-Hoffmann disease (Kuzuhara and Chou), 506
- Disc embolism**
spinal cord infarction secondary to intervertebral disc embolism (Srigley et al), 296
- Disc herniation**
cervical disc herniation in Gilles de la Tourette syndrome (Brill et al), LETTER, 311
- Dissociated muscle weakness**
dissociated quadriceps-hamstring weakness, clue to clinical diagnosis of Guillain-Barré syndrome (Masucci and Kurtzke), LETTER, 96
- DNA analysis**
molecular approach to diagnosis of virus infections (Brown), S39
- Dogs**
canine inherited ataxia (Cork et al), 492
- Dopamine**
cerebral hemodynamics and metabolism in postoperative cerebral vasospasm and treatment with hypertensive therapy (Montgomery et al), 502
- Dopaminergic deficiency**
parkinsonism provoked by alcoholism (Carlen et al), 84
- Doxepin**
transient ophthalmoparesis with doxepin overdosage (Lewitt), LETTER, 618
- Drugs**
amantadine in essential tremor (Manyam), NOTE, 198
baclofen in treatment of stiff-man syndrome (Miller and Korsvik), 511
cerebral hemodynamics and metabolism in postoperative cerebral vasospasm and treatment with hypertensive therapy (Montgomery et al), 502
chronic relapsing (dysimmune) polyneuropathy, pathogenesis and treatment (Dalakas and Engel), S134
clonazepam in dialysis encephalopathy (Pascoe), LETTER, 200
costs of anticonvulsant therapy (Goldberg), LETTER, 95
essential tremor treated with propranolol, lack of correlation between clinical effect and plasma propranolol levels (Sørensen et al), 53
lisuride in parkinsonism (Parkes et al), 48
low blood levels of phenobarbital due to poor gastrointestinal solubility of phenobarbital tablets (Alvarez et al), LETTER, 309

Drugs (continued)

- myoclonic seizures following chlorambucil overdose (Byrne et al), 191
- neurogenic pulmonary edema in unexpected, unexplained death of epileptic patients (Terrence et al), 458
- palatal myoclonus responding to carbamazepine (Sakai et al), 199
- spinocerebellar degeneration with parkinsonian features (Weir and Fan), 87
- transient ophthalmoparesis with doxepin overdosage (Lewitt), LETTER, 618
- treatment of acute inflammatory polyneuropathy (Hughes et al), S125
- treatment of bacterial infections of the central nervous system (Bell), NEUROLOGICAL PROGRESS, 313
- treatment of fungal infections of the central nervous system (Bell), NEUROLOGICAL PROGRESS, 417
- Duchenne dystrophy
 - alterations in creatine kinase in fresh muscle and cell cultures in Duchenne dystrophy (Ionasescu et al), 394
 - organization of microtubules and microfilaments in fibroblasts in Duchenne muscular dystrophy muscle cultures (Walsh et al), NOTE, 202
- "Dying-back" gliopathy
 - evidence for "dying-back" gliopathy in demyelinating disease (Ludwin and Johnson), 301
- Dyspnea
 - adult-onset acid maltase deficiency presenting as diaphragmatic paralysis (Sivak et al), 613
- Dystonia
 - blepharospasm and oromandibular dystonia (Meige's syndrome) in sisters (Nutt and Hammerstad), 189
 - chronic G_{M1} gangliosidosis presenting as dystonia, clinical and pathological features (Goldman et al), 465

Editor's message (Plum), 1

Electroencephalography

- alpha-pattern coma in 2-month-old child (Homan and Jones), 611
- clinical and electroencephalographic characteristics of midline parasagittal foci (Pedley et al), 142
- correlation of criteria used for localizing epileptic foci in patients considered for surgical therapy of epilepsy (Engel et al), 215
- depth electroencephalography in selection of refractory epilepsy for surgery (Spencer), NEUROLOGICAL PROGRESS, 207
- epilepsy in adults (So and Penry), NEUROLOGICAL PROGRESS, 3
- prognostic indicators in hemiparetic cerebral palsy (Cohen and Duffner), 353

Electromyography

- comparison of stapedial reflex fatigue with repetitive stimulation and single-fiber EMG in myasthenia gravis (Kramer et al), 531
- electrophysiological studies in Guillain-Barré syndrome (McLeod), S20
- hand wasting in spondylotic high cord compression, electromyographic study (Stark et al), 58
- progressive sensory neuropathy in patients without carcinoma, disorder with distinctive clinical and electrophysiological findings (Kaufman et al), 237
- repetitive impulse-induced EMG discharges in neuromuscular diseases (Stöhr), LETTER, 204
- usefulness of electrophysiological studies in diagnosis of lumbosacral root disease (Tonzola et al), 305

Electron microscopy

- ultramicroscopic study of skin and conjunctival biopsies in chronic neurological disorders of childhood (Arsenio-Nunes et al), 163
- ultrastructure of tuberous sclerosis, cortical tuber and subependymal tumor (Trombley and Mirra), 174

Electronystagmography

- vestibular testing in basilar artery migraine (Eviatar), 126

Electrophoresis

- comparison of agar gel electrophoresis and isoelectric focusing in multiple sclerosis and subacute sclerosing panencephalitis (Mattson et al), 34

Electrophysiological tests

- electrophysiological studies in Guillain-Barré syndrome (McLeod), S20
- physiological basis for symptoms in Guillain-Barré syndrome (Sumner), S28

Embolism

- spinal cord infarction secondary to intervertebral disc embolism (Srigley et al), 296

Encephalitis

- characterization of immune complexes in progressive rubella panencephalitis (Coyle and Wolinsky), 557
- encephalitis after inhalation of measles virus, pathogenetic study in hamsters (Parhad et al), 21
- multifocal varicella-zoster virus leukoencephalitis temporally remote from herpes zoster (Horten et al), 251

Encephalopathy

- asterixis and encephalopathy following metrizamide myelography, investigations into possible mechanisms and review of the literature (Bertoni et al), 366
- clonazepam in dialysis encephalopathy (Pascoe), LETTER, 200

Encephalopathy, hypoxic

- sustained upgaze in coma (Keane), 409

Endorphins

- pain II, new approaches to management (Fields), 101

Epidemiology

- acute polyradiculitis (Guillain-Barré syndrome), epidemiological study of 156 cases observed in Beijing (Zhao et al), S146
- Guillain-Barré syndrome, its epidemiology and associations with influenza vaccination (Schonberger et al), S31

Epilepsy

- clinical and electroencephalographic characteristics of midline parasagittal foci (Pedley et al), 142
- complex partial status epilepticus in young children (McBride et al), 526
- correlation of criteria used for localizing epileptic foci in patients considered for surgical therapy of epilepsy (Engel et al), 215
- depth electroencephalography in selection of refractory epilepsy for surgery (Spencer), NEUROLOGICAL PROGRESS, 207
- epilepsy complicated by sleep apnea (Wyler and Weymuller), 403
- epilepsy in adults (So and Penry), NEUROLOGICAL PROGRESS, 3
- neurogenic pulmonary edema in unexpected, unexplained death of epileptic patients (Terrence et al), 458
- postictal pleocytosis (Schmidley and Simon), 81
- prognostic indicators in hemiparetic cerebral palsy (Cohen and Duffner), 353

- Epilepsy surgery**
correlation of criteria used for localizing epileptic foci in patients considered for surgical therapy of epilepsy (Engel et al), 215
depth electroencephalography in selection of refractory epilepsy for surgery (Spencer), *NEUROLOGICAL PROGRESS*, 207
- Epstein-Barr virus**
role of infection in Guillain-Barré syndrome (Dowling and Cook), S44
- Ergolenes**
lisuride in parkinsonism (Parkes et al), 48
- Erythrocythemia**
cerebral blood flow following normovolemic hemodilution in patients with high hematocrit (Henriksen et al), 454
- Erythrocytosis**
measurement of erythropoietin levels in follow-up of patients with cerebellar hemangioblastoma (Pololi-Anagnostou and Anagnostou), *LETTER*, 94
- Erythropoietin**
measurement of erythropoietin levels in follow-up of patients with cerebellar hemangioblastoma (Pololi-Anagnostou and Anagnostou), *LETTER*, 94
- Essential tremor**
amantadine in essential tremor (Manyam), *NOTE*, 198
essential tremor treated with propranolol, lack of correlation between clinical effect and plasma propranolol levels (Sørensen et al), 53
- Estrogens**
estrogens and migraine (Damasio and Corbett), *LETTER*, 92
- Evoked responses**
evoked responses in vitamin B₁₂ deficiency (Krumholz et al), 407
- Evoked responses, auditory**
binaural interaction in brainstem potentials of human subjects (Levine), 384
brainstem auditory evoked responses and palatal myoclonus, cause of AER abnormalities (Gøthgen et al), *LETTER*, 309; auditory fiber crossing (Whittaker), *LETTER*, 309; reply (Epstein et al), *LETTER*, 309
brainstem auditory evoked responses in spinocerebellar degeneration and Wilson disease (Fujita et al), 42
- Evoked responses, sensory**
origins of short-latency somatosensory evoked potentials in humans (Mauguière and Courjon), 607
somatosensory evoked potentials following trigeminal nerve stimulation in trigeminal neuralgia (Stöhr et al), 63
temporospatial effects on orthodromic sensory potential propagation during ischemia (Nielsen and Kardel), 597
- Evoked responses, visual**
pattern-reversal visual evoked potentials in the hereditary ataxias and spinal degenerations (Bird and Crill), 243
- Experimental allergic encephalomyelitis**
induction of recurrent experimental allergic encephalomyelitis with myelin basic protein (Panitch and Ciccone), 433
- Experimental allergic neuritis**
cell-mediated immunity in idiopathic polyneuritis (Iqbal et al), S65
experimental allergic neuritis induced by galactocerebroside (Saida et al), S87
- protein antigens of peripheral nerve myelin (Whittaker), S56
treatment of acute inflammatory polyneuropathy (Hughes et al), S125
- Eye movement disorders**
absence of REM sleep in patients with spinocerebellar degeneration and slow saccades (Masdeu et al), *LETTER*, 95
inverse ocular bobbing (Knobler et al), 194
saccadic eye movement strategies in patients with homonymous hemianopia (Meienberg et al), 537
sustained upgaze in coma (Keane), 409
"wrong-way eyes" in supratentorial hemorrhage (Pessin et al), 79
- Eye movements**
the ocular motor system (Spector and Troost), *NEUROLOGICAL PROGRESS*, 517
- Facial nerve**
experimental viral infections of facial nerve and geniculate ganglion (Davis), 120
- Facial palsy**
experimental viral infections of facial nerve and geniculate ganglion (Davis), 120
- Factor VIII**
factor VIII and thrombotic stroke (Furlow), *LETTER*, 620; reply (Furie and Kosik), *LETTER*, 620
- Familial disorders.** *See* Hereditary disorders
- Family pedigree**
G_{M1} gangliosidosis, phenotypic variation in a single family (Farrell and Ochs), 225
- Fc receptors**
multiple sclerosis serum and cerebrospinal fluid immunoglobulin binding to Fc receptors of oligodendrocytes (M₁ et al), 371
- Fibrillation potentials**
diabetic thoracoabdominal neuropathy, clinical and electrodiagnostic features (Sun and Streib), 75
- Fibrocartilage**
spinal cord infarction secondary to intervertebral disc embolism (Srigley et al), 296
- 5-Fluorocytosine**
treatment of fungal infections of the central nervous system (Bell), *NEUROLOGICAL PROGRESS*, 417
- Focal epilepsy**
clinical and electroencephalographic characteristics of midline parasagittal foci (Pedley et al), 142
correlation of criteria used for localizing epileptic foci in patients considered for surgical therapy of epilepsy (Engel et al), 215
depth electroencephalography in selection of refractory epilepsy for surgery (Spencer), *NEUROLOGICAL PROGRESS*, 207
- Fresh muscle**
alterations in creatine kinase in fresh muscle and cell cultures in Duchenne dystrophy (Ionasescu et al), 394
- F response testing**
usefulness of electrophysiological studies in diagnosis of lumbosacral root disease (Tonzola et al), 305
- Friedreich's ataxia**
normal muscle pyruvate oxidation in spinocerebellar degenerations (Evans), *LETTER*, 93
pattern-reversal visual evoked potentials in the hereditary ataxias and spinal degenerations (Bird and Crill), 243
- Fungal infections.** *See* Infectious diseases

- Galactocerebroside
 experimental allergic neuritis induced by galactocerebroside (Saida et al), S87
 physiological basis for symptoms in Guillain-Barré syndrome (Sumner), S28
- β -Galactosidase
 chronic G_{M1} gangliosidosis presenting as dystonia, biochemical studies (Kobayashi and Suzuki), 476
 chronic G_{M1} gangliosidosis presenting as dystonia, clinical and pathological features (Goldman et al), 465
 G_{M1} gangliosidosis, enzymatic variation in a single family (Farrell and MacMartin), 232
 G_{M1} gangliosidosis, phenotypic variation in a single family (Farrell and Ochs), 225
 Galvanic tests. *See* Diagnostic tests
- Gangliosides
 compressive myelopathy in mucopolysaccharidosis (Ballengier et al), LETTER, 413
- Gaze paresis. *See* Ophthalmoplegia
- Generic drugs
 low blood levels of phenobarbital due to poor gastrointestinal solubility of phenobarbital tablets (Alvarez et al), LETTER, 309
- Geniculate ganglion
 experimental viral infections of facial nerve and geniculate ganglion (Davis), 120
- Gilles de la Tourette syndrome. *See* Tourette syndrome
- Gliopathy
 evidence for "dying-back" gliopathy in demyelinating disease (Ludwin and Johnson), 301
- Glucose utilization
 effect of thiamine deficiency on local cerebral glucose utilization (Hakim and Pappius), 334
 local cerebral glucose utilization in thermally traumatized rat brain (Pappius), 484
- Glycine receptor binding
 reduced glycine receptor in spinal cord in amyotrophic lateral sclerosis (Hayashi et al), 292
- Glycogen storage
 glycogen debrancher deficiency is reproduced in muscle culture (Miranda et al), 283
- G_{M1} gangliosidosis
 chronic G_{M1} gangliosidosis presenting as dystonia, biochemical studies (Kobayashi and Suzuki), 476
 chronic G_{M1} gangliosidosis presenting as dystonia, clinical and pathological features (Goldman et al), 465
 G_{M1} gangliosidosis, enzymatic variation in a single family (Farrell and MacMartin), 232
 G_{M1} gangliosidosis, phenotypic variation in a single family (Farrell and Ochs), 225
- Guillain-Barré syndrome
 acute polyradiculitis (Guillain-Barré syndrome), epidemiological study of 156 cases observed in Beijing (Zhao et al), S146
 cell-mediated immunity in idiopathic polyneuritis (Iqbal et al), S65
 chronic relapsing (dysimmune) polyneuropathy, pathogenesis and treatment (Dalakas and Engel), S134
 diagnostic considerations in Guillain-Barré syndrome (Asbury), S1
 dissociated quadriceps-hamstring weakness, clue to clinical diagnosis of Guillain-Barré syndrome (Masucci and Kurtzke), LETTER, 96
 electrophysiological studies in Guillain-Barré syndrome (McLeod), S20
 experimental allergic neuritis induced by galactocerebroside (Saida et al), S87
- Guillain-Barré syndrome, its epidemiology and associations with influenza vaccination (Schonberger et al), S31
 immunological characterization of sural nerve biopsies from patients with Guillain-Barré syndrome (Nyland et al), S80
 immunoregulation (Taurog), S107
 Marek's disease, a natural model for Landry-Guillain-Barré syndrome (Stevens et al), S102
 modulation of a complex immune system (Steinberg), S117
 pathology of Guillain-Barré syndrome (Prineas), S6
 physiological basis for symptoms in Guillain-Barré syndrome (Sumner), S28
 protein antigens of peripheral nerve myelin (Whitaker), S56
 role of autoantibody and immune complexes in pathogenesis of Guillain-Barré syndrome (Cook and Dowling), S70
 role of infection in Guillain-Barré syndrome (Dowling and Cook), S44
 treatment of acute inflammatory polyneuropathy (Hughes et al), S125
- Hamsters
 encephalitis after inhalation of measles virus, pathogenetic study in hamsters (Parhad et al), 21
 experimental viral infections of facial nerve and geniculate ganglion (Davis), 120
- Hand wasting
 hand wasting in spondylotic high cord compression, electromyographic study (Stark et al), 58
- Hemangioblastoma
 measurement of erythropoietin levels in follow-up of patients with cerebellar hemangioblastoma (Pololi-Anagnostou and Anagnostou), 94
- Hematocrit
 cerebral blood flow following normovolemic hemodilution in patients with high hematocrit (Henriksen et al), 454
- Hemianopia, homonymous
 saccadic eye movement strategies in patients with homonymous hemianopia (Meienberg et al), 537
- Hemiataxia
 barognosis in hemiataxia (Landau), LETTER, 98; reply (Angel), LETTER, 98
- Hemiparesis
 ataxic hemiparesis from midbrain mass (Bendheim and Berg), 405
- Hemodilution
 cerebral blood flow following normovolemic hemodilution in patients with high hematocrit (Henriksen et al), 454
- Hereditary diseases
 blepharospasm and oromandibular dystonia (Meige's syndrome) in sisters (Nutt and Hammerstad), 189
 brainstem auditory evoked responses in spinocerebellar degeneration and Wilson disease (Fujita et al), 42
 canine inherited ataxia (Cork et al), 492
 cervical disc herniation in Gilles de la Tourette syndrome (Brill et al), LETTER, 311
 chronic G_{M1} gangliosidosis presenting as dystonia, biochemical studies (Kobayashi and Suzuki), 476
 chronic G_{M1} gangliosidosis presenting as dystonia, clinical and pathological features (Goldman et al), 465
 G_{M1} gangliosidosis, enzymatic variation in a single family (Farrell and MacMartin), 232

- G_{M1} gangliosidosis**, phenotypic variation in a single family (Farrell and Ochs), 225
- normal muscle pyruvate oxidation** in spinocerebellar degeneration (Evans), LETTER, 93
- pattern-reversal visual evoked potentials** in hereditary ataxias and spinal degenerations (Bird and Crill), 243
- preservation of phrenic motoneurons** in Werdnig-Hoffmann disease (Kuzuhara and Chou), 506
- ultramicroscopic study of skin and conjunctival biopsies** in chronic neurological disorders of childhood (Arsenio-Nunes et al), 163
- variability of Charcot-Marie-Tooth disease** (Bradley), LETTER, 513; reply (Williams), LETTER, 513
- Herpesvirus**
- experimental viral infections of facial nerve and geniculate ganglion (Davis), 120
 - role of infection in Guillain-Barré syndrome (Dowling and Cook), S44
- Herpes zoster**
- multifocal varicella-zoster virus leukoencephalitis temporally remote from herpes zoster (Horten et al), 251
- Hexokinase inhibition**
- asterix and encephalopathy following metrizamide myelography, investigations into possible mechanisms and review of the literature (Bertoni et al), 366
- Histocompatibility antigens**
- variability of Charcot-Marie-Tooth disease (Bradley), LETTER, 513; reply (Williams), LETTER, 513
- Homovanillic acid**
- effect of age on CSF metabolites (Fishman), LETTER, 205; reply (Butler and Seifert), LETTER, 205
- H-reflex testing**
- usefulness of electrophysiological studies in diagnosis of lumbosacral root disease (Tonzola et al), 305
- Hybridoma**
- myasthenia induced by monoclonal anti-acetylcholine receptor antibodies, clinical and electrophysiological aspects (Burrell et al), 563
- Hydrostatic pressure**
- role of hydrostatic pressure in ischemic brain edema (Kogure et al), 273
- γ -Hydroxybutyrate**
- γ -hydroxybutyrate in narcolepsy (Price et al), LETTER, 198
- 5-Hydroxyindoleacetic acid**
- effect of age on CSF metabolites (Fishman), LETTER, 205; reply (Butler and Seifert), LETTER, 205
- Hypersomnolence**
- adult-onset acid maltase deficiency presenting as diaphragmatic paralysis (Sivak et al), 613
- Hypertension, arterial**
- catecholamine-associated refractory hypertension following acute intracranial hemorrhage, control with propranolol (Feibel et al), 340
 - role of hydrostatic pressure in ischemic brain edema (Kogure et al), 273
- Hyponatremia**
- antidiuretic hormone levels in stroke patients (Joynt et al), 182
- Hypoventilation**
- adult-onset acid maltase deficiency presenting as diaphragmatic paralysis (Sivak et al), 613
- Hypoxia**
- alpha-pattern coma in 2-month-old child (Homan and Jones), 611
- Hypoxia-ischemia**
- influence of immaturity on hypoxic-ischemic brain damage in the rat (Rice et al), 131
- Idiopathic polyneuritis**. *See* Guillain-Barré syndrome
- Idiopathic polyneuropathy**. *See* Guillain-Barré syndrome
- Immaturity**
- influence of immaturity on hypoxic-ischemic brain damage in the rat (Rice et al), 131
- Immune complexes**
- characterization of immune complexes in progressive rubella panencephalitis (Coyle and Wolinsky), 557
 - role of autoantibody and immune complexes in pathogenesis of Guillain-Barré syndrome (Cook and Dowling), S70
- Immune enhancement**
- modulation of a complex immune system (Steinberg), S117
- Immunization**
- Guillain-Barré syndrome, its epidemiology and associations with influenza vaccination (Schonberger et al), S31
- Immunoglobulin binding**
- multiple sclerosis serum and cerebrospinal fluid immunoglobulin binding to Fc receptors of oligodendrocytes (Ma et al), 371
- Immunoglobulins**
- immunological characterization of sural nerve biopsies from patients with Guillain-Barré syndrome (Nyland et al), S80
 - prognosis of optic neuritis with special reference to cerebrospinal fluid immunoglobulins and measles virus antibodies (Nikoskelainen et al), 545
- Immunoglobulin synthesis**
- abnormal regulation of in vitro IgG production in multiple sclerosis (Kelley et al), 267
 - quantification of de novo central nervous system IgG measles antibody synthesis in SSPE (Tourtellotte et al), 551
 - viral antibody activity of oligoclonal and polyclonal immunoglobulins synthesized within the central nervous system in multiple sclerosis (Roström et al), 569
- Immunopharmacology**
- modulation of a complex immune system (Steinberg), S117
- Immunoregulation**
- abnormal regulation of in vitro IgG production in multiple sclerosis (Kelley et al), 267
 - immunoregulation (Taurog), S107
 - modulation of a complex immune system (Steinberg), S117
- Indirect immunofluorescence**
- organization of microtubules and microfilaments in fibroblasts in Duchenne muscular dystrophy muscle cultures (Walsh et al), NOTE, 202
- Infancy**
- alpha-pattern coma in a 2-month-old child (Homan and Jones), 611
 - postischemic hypervascularity of infancy, a stage in evolution of ischemic brain damage with characteristic CT scan (Shewmon et al), 358
 - progressive neurological disease associated with chronic cytomegalovirus infection (Bray et al), 499
- Infantile hemiparesis**
- prognostic indicators in hemiparetic cerebral palsy (Cohen and Duffner), 353
- Infectious diseases**
- characterization of immune complexes in progressive rubella panencephalitis (Coyle and Wolinsky), 557
 - encephalitis after inhalation of measles virus, a pathogenetic study in hamsters (Parhad et al), 21

Infectious diseases (*continued*)

- experimental viral infections of facial nerve and geniculate ganglion (Davis), 120
- intracranial infection in cardiac transplant recipients (Britt et al), 107
- measles virus and chronic neurological diseases (Choppin), EDITORIAL, 17
- mechanisms of virus persistence (Johnson et al), CONFERENCE REPORT, 616
- molecular approach to diagnosis of virus infections (Brown), S39
- multifocal varicella-zoster virus leukoencephalitis temporally remote from herpes zoster (Horten et al), 251
- nerve cell fusion in a case of subacute sclerosing panencephalitis (Paula-Barbosa and Cruz), 400
- progressive neurological disease associated with chronic cytomegalovirus infection (Bray et al), 499
- prolonged intracerebral infection with poliovirus in asymptomatic mice (Miller), 590
- role of infection in Guillain-Barré syndrome (Dowling and Cook), S44
- treatment of bacterial infections of the central nervous system (Bell), NEUROLOGICAL PROGRESS, 313
- treatment of fungal infections of the central nervous system (Bell), NEUROLOGICAL PROGRESS, 417
- Influenza
 - Guillain-Barré syndrome, its epidemiology and associations with influenza vaccination (Schonberger et al), S31
- Infrared oculography
 - saccadic eye movement strategies in patients with homonymous hemianopia (Meienberg et al), 537
- Inherited disorders. *See* Hereditary diseases
- Intercellular junctions
 - ultrastructure of tuberous sclerosis, cortical tuber and subependymal tumor (Trombley and Mirra), 174
- Intracranial hemorrhage. *See* Cerebral hemorrhage
- Intracranial infection
 - intracranial infection in cardiac transplant recipients (Britt et al), 107
- Intracranial pressure monitoring
 - staging in Reye syndrome (Haller), LETTER, 198
- Iron
 - bilateral mineral deposits in basal ganglia and cerebellum (Neumann), LETTER, 310
- Ischemic nerves
 - temporospatial effects on orthodromic sensory potential propagation during ischemia (Nielsen and Kardel), 597
- Isoelectric focusing
 - comparison of agar gel electrophoresis and isoelectric focusing in multiple sclerosis and subacute sclerosing panencephalitis (Mattson et al), 34
 - G_{M1} gangliosidosis, enzymatic variation in a single family (Farrell and MacMartin), 232
- Isoenzymes
 - glycogen debrancher deficiency is reproduced in muscle culture (Miranda et al), 283
- Jerk-locked averaging
 - periodic synchronous discharge and myoclonus in Creutzfeldt-Jakob disease, diagnostic application of jerk-locked averaging method (Shibasaki et al), 150
- Lactosylceramidase II
 - chronic G_{M1} gangliosidosis presenting as dystonia, biochemical studies (Kobayashi and Suzuki), 476

Lafora disease

- ultrastructural findings in Lafora disease (Carpenter and Karpati), LETTER, 514
- Landry-Guillain-Barré syndrome
 - Marek's disease, a natural model for Landry-Guillain-Barré syndrome (Stevens et al), S102
- Language
 - measurement of early spontaneous recovery from aphasia with stroke (Hartman), 89
- Lateral geniculate nucleus
 - demyelination of lateral geniculate nucleus in central pontine myelinolysis (Goldman and Horoupian), 185
- L-Dopa
 - spinocerebellar degeneration with parkinsonian features (Weir and Fan), 87
- Lemniscus
 - origins of short-latency somatosensory evoked potentials in humans (Mauguière and Courjon), 607
- Letters
 - absence of REM sleep in patients with spinocerebellar degeneration and slow saccades (Masdeu et al), 95
 - arsenic and anrique copper, potential source for intoxication and development of peripheral neuropathy (Jones), 93
 - astereognosis in brainstem lesions (Endtz et al), 204
 - barognosis in hemiataxia (Landau), 98; reply (Angel), 98
 - bilateral mineral deposits in basal ganglia and cerebellum (Neumann), 310
 - brainstem auditory evoked responses and palatal myoclonus, cause of AER abnormalities (Gøthgen et al), 309; auditory fiber crossing (Whittaker), 309; reply (Epstein et al), 309
 - cervical disc herniation in Gilles de la Tourette syndrome (Brill et al), 311
 - clonazepam in dialysis encephalopathy (Pascoe), 200
 - compressive myelopathy in mucopolysaccharidosis (Ballengier et al), 413
 - costs of anticonvulsant therapy (Goldberg), 95
 - dissociated quadriceps-hamstring weakness, clue to clinical diagnosis of Guillain-Barré syndrome (Masucci and Kurtzke), 96
 - the editor edited (Landau), 514; reply (Plum), 514
 - effect of age on CSF metabolites (Fishman), 205; reply (Butler and Seifert), 205
 - enhanced vascular permeability in acute disseminated vasculomyelinopathy (Rudick and Eskin), 621; reply (Reik), 621
 - estrogens and migraine (Damasio and Corbett), 92
 - factor VIII and thrombotic stroke (Furlow), 620; reply (Furie and Kosik), 620
 - gaze paresis in amitriptyline overdose (Delaney and Light), 513
 - γ -hydroxybutyrate in narcolepsy (Price et al), 198
 - lithium carbonate in pseudobulbar palsy (Massey and Lowe), 97
 - low blood levels of phenobarbital due to poor gastrointestinal solubility of phenobarbital tablets (Alvarez et al), 309
 - measurement of erythropoietin levels in follow-up of patients with cerebellar hemangioblastoma (Pololi-Anagnostou and Anagnostou), 94
 - monoamine oxidase activity in normal and Alzheimer brains (Dziedzic et al), 618
 - normal muscle pyruvate oxidation in spinocerebellar degenerations (Evans), 93
 - palatal myoclonus responding to carbamazepine (Sakai et al), 199

- peripheral neuropathy due to lithium intoxication (Uchigata et al), 414
- recovery following brainstem hemorrhage (Vallar et al), 92
- repetitive impulse-induced EMG discharges in neuromuscular diseases (Stöhr), 204
- retraction (Kark et al), 514
- staging in Reye syndrome (Haller), 198
- transient ophthalmoparesis with doxepin overdosage (Lewitt), 618
- variability of Charcot-Marie-Tooth disease (Bradley), 513; reply (Williams), 513
- Leukocyte adherence**
analysis of leukocyte adherence to measles-infected cells in multiple sclerosis (Barna et al), 28
- Leukocyte count**
leukocyte and bacterial interrelationships in experimental meningitis (Giampaolo et al), 328
- Leukoencephalitis**
multifocal varicella-zoster virus leukoencephalitis temporally remote from herpes zoster (Horten et al), 251
- Lewis rats**
induction of recurrent experimental allergic encephalomyelitis with myelin basic protein (Panitch and Ciccone), 433
- Lisuride**
lisuride in parkinsonism (Parkes et al), 48
- Lithium carbonate**
lithium carbonate in pseudobulbar palsy (Massey and Lowe), LETTER, 97
- Lithium toxicity**
peripheral neuropathy due to lithium intoxication (Uchigata et al), LETTER, 414
- Local cerebral glucose utilization. See Cerebral glucose utilization**
- Lumbosacral root disease**
usefulness of electrophysiological studies in diagnosis of lumbosacral root disease (Tonzola et al), 305
- Marek's disease**
Marek's disease, a natural model for Landry-Guillain-Barré syndrome (Stevens et al), S102
- Measles virus**
analysis of leukocyte adherence to measles-infected cells in multiple sclerosis (Barna et al), 28
encephalitis after inhalation of measles virus, pathogenetic study in hamsters (Parhad et al), 21
measles virus and chronic neurological diseases (Chopin), EDITORIAL, 17
prognosis of optic neuritis with special reference to cerebrospinal fluid immunoglobulins and measles virus antibodies (Nikoskelainen et al), 545
quantification of de novo central nervous system IgG measles antibody synthesis in SSPE (Tourtellotte et al), 551
- Medial longitudinal fasciculus**
the ocular motor system (Spector and Troost), NEUROLOGICAL PROGRESS, 517
- Medial medullary syndrome**
astereognosis in brainstem lesions (Endtz et al), LETTER, 204
- Megamitochondria**
ultrastructure of tuberous sclerosis, cortical tuber and subependymal tumor (Trombley and Mirra), 174
- Meige's syndrome**
blepharospasm and oromandibular dystonia (Meige's syndrome) in sisters (Nutt and Hammerstad), 189
- Meningitis**
intracranial infection in cardiac transplant recipients (Britt et al), 107
treatment of bacterial infections of the central nervous system (Bell), NEUROLOGICAL PROGRESS, 313
- Meningitis, experimental**
leukocyte and bacterial interrelationships in experimental meningitis (Giampaolo et al), 328
- Metal toxicity**
arsenic and antique copper, potential source for intoxication and development of peripheral neuropathy (Jones), LETTER, 93
- Methionine adenosyltransferase**
methioninemia and myopathy, a new disorder (Gaulle et al), 423
- Methioninemia**
methioninemia and myopathy, a new disorder (Gaulle et al), 423
- Metrizamide**
asterixis and encephalopathy following metrizamide myelography, investigations into possible mechanisms and review of the literature (Bertoni et al), 366
- Mice. See Rats**
- Miconazole**
treatment of fungal infections of the central nervous system (Bell), NEUROLOGICAL PROGRESS, 417
- Microfilaments**
organization of microtubules and microfilaments in fibroblasts in Duchenne muscular dystrophy muscle cultures (Walsh et al), NOTE, 202
- Microtubules**
organization of microtubules and microfilaments in fibroblasts in Duchenne muscular dystrophy muscle cultures (Walsh et al), NOTE, 202
- Midbrain**
ataxic hemiparesis from midbrain mass (Bendheim and Berg), 405
- Migraine**
estrogens and migraine (Damasio and Corbett), LETTER, 92
focal hyperemia followed by spreading oligemia and impaired activation of rCBF in classic migraine (Olesen et al), 344
vestibular testing in basilar artery migraine (Eviatar), 126
- Molecular epidemiology**
molecular approach to diagnosis of virus infections (Brown), S39
- Monoamine oxidase**
monoamine oxidase activity in normal and Alzheimer brains (Dziedzic et al), LETTER, 618
- Motor neuron disease**
hand wasting in spondylotic high cord compression, electromyographic study (Stark et al), 58
preservation of phrenic motoneurons in Werdnig-Hoffmann disease (Kuzuhara and Chou), 506
reduced glycine receptor in spinal cord in amyotrophic lateral sclerosis (Hayashi et al), 292
variability of Charcot-Marie-Tooth disease (Bradley), LETTER, 513; reply (Williams), LETTER, 513
- Mucopolysaccharidosis**
compressive myelopathy in mucopolysaccharidosis (Ballenger et al), LETTER, 413
- Multiple sclerosis**
abnormal regulation of in vitro IgG production in multiple sclerosis (Kelley et al), 267
analysis of leukocyte adherence to measles-infected cells in multiple sclerosis (Barna et al), 28

Multiple sclerosis (*continued*)

- autologous lymphocyte proliferation in multiple sclerosis and effect of intravenous ACTH (Birnbaum and Kotilinek), 439
- comparison of agar gel electrophoresis and isoelectric focusing in multiple sclerosis and subacute sclerosing panencephalitis (Mattson et al), 34
- induction of recurrent experimental allergic encephalomyelitis with myelin basic protein (Panitch and Ciccone), 433
- measles virus and chronic neurological diseases (Chopin), EDITORIAL, 17
- mechanisms of virus persistence (Johnson et al), CONFERENCE REPORT, 616
- multiple sclerosis serum and cerebrospinal fluid immunoglobulin binding to Fc receptors of oligodendrocytes (Ma et al), 371
- prognosis of optic neuritis with special reference to cerebrospinal fluid immunoglobulins and measles virus antibodies (Nikoskelainen et al), 545
- viral antibody activity of oligoclonal and polyclonal immunoglobulins synthesized within the central nervous system in multiple sclerosis (Roström et al), 569
- Muscle culture**
 - alterations in creatine kinase in fresh muscle and cell cultures in Duchenne dystrophy (Ionasescu et al), 394
 - glycogen debrancher deficiency is reproduced in muscle culture (Miranda et al), 283
- Muscle damage**
 - brief and mild alcohol intake can increase serum creatine phosphokinase (Schubert et al), NOTE, 200
- Muscle weakness**
 - dissociated quadriceps-hamstring weakness, clue to clinical diagnosis of Guillain-Barré syndrome (Masucci and Kurtzke), LETTER, 96
- Muscular atrophy.** *See* Motor neuron disease
- Muscular dystrophy.** *See also* Duchenne dystrophy
 - altered muscle polyamine levels in human neuromuscular diseases (Kaminska et al), 605
 - vascular adrenergic receptor responses in skeletal muscle in myotonic dystrophy (Mechler and Mastaglia), 157
- Myasthenia gravis**
 - comparison of stapedial reflex fatigue with repetitive stimulation and single-fiber EMG in myasthenia gravis (Kramer et al), 531
 - myasthenia induced by monoclonal anti-acetylcholine receptor antibodies, clinical and electrophysiological aspects (Burres et al), 563
- Myelin**
 - experimental allergic neuritis induced by galactocerebroside (Saida et al), S87
- Myelin basic protein**
 - induction of recurrent experimental allergic encephalomyelitis with myelin basic protein (Panitch and Ciccone), 433
 - protein antigens of peripheral nerve myelin (Whitaker), S56
- Myelin figures**
 - methioninemia and myopathy, a new disorder (Gaull et al), 423
- Myelography**
 - asterix and encephalopathy following metrizamide myelography, investigations into possible mechanisms and review of the literature (Bertoni et al), 366
 - usefulness of electrophysiological studies in diagnosis of lumbosacral root disease (Tonzola et al), 305

Myelopathy

- cervical disc herniation in Gilles de la Tourette syndrome (Brill et al), LETTER, 311
- compressive myelopathy in mucopolysaccharidosis (Ballenger et al), LETTER, 413

Myoclonic seizures

- myoclonic seizures following chlorambucil overdose (Byrne et al), 191

Myoclonus

- palatal myoclonus responding to carbamazepine (Sakai et al), LETTER, 199
- periodic synchronous discharge and myoclonus in Creutzfeldt-Jakob disease, diagnostic application of jerk-locked averaging method (Shibasaki et al), 150
- sustained upgaze in coma (Keane), 409

Myopathy

- brief and mild alcohol intake can increase serum creatine phosphokinase (Schubert et al), NOTE, 200
- glycogen debrancher deficiency is reproduced in muscle culture (Miranda et al), 283
- methioninemia and myopathy, a new disorder (Gaull et al), 423

Myotonic dystrophy

- vascular adrenergic receptor responses in skeletal muscle in myotonic dystrophy (Mechler and Mastaglia), 157

Narcolepsy

- γ -hydroxybutyrate in narcolepsy (Price et al), LETTER, 198

Neonatal hypoxia

- influence of immaturity on hypoxic-ischemic brain damage in the rat (Rice et al), 131
- posts ischemic hypervascularity of infancy, stage in evolution of ischemic brain damage with characteristic CT scan (Shewmon et al), 358

Nerve biopsy

- immunological characterization of sural nerve biopsies from patients with Guillain-Barre syndrome (Nyland et al), S80

Nerve conduction

- electrophysiological studies in Guillain-Barré syndrome (McLeod), S20
- nerve fiber conduction velocity distributions, studies of normal and diabetic human nerves (Cummins and Dorfman), 67
- temporospatial effects on orthodromic sensory potential propagation during ischemia (Nielsen and Kardel), 597

Neurological progress

- depth electroencephalography in selection of refractory epilepsy for surgery (Spencer), 207
- epilepsy in adults (So and Penry), 3
- the ocular motor system (Spector and Troost), 517
- pain II, new approaches to management (Fields), 101
- treatment of bacterial infections of the central nervous system (Bell), 313
- treatment of fungal infections of the central nervous system (Bell), 417

Neuromuscular diseases

- altered muscle polyamine levels in human neuromuscular diseases (Kaminska et al), 605
- repetitive impulse-induced EMG discharges in neuromuscular diseases (Stöhr), LETTER, 204

Neuronal storage diseases

- chronic G_{M1} gangliosidosis presenting as dystonia, biochemical studies (Kobayashi and Suzuki), 476

- chronic G_{M1} gangliosidosis presenting as dystonia, clinical and pathological features (Goldman et al), 465
- compressive myelopathy in mucopolysaccharidosis (Balenger et al), LETTER, 413
- G_{M1} gangliosidosis, enzymatic variation in a single family (Farrell and MacMartin), 232
- G_{M1} gangliosidosis, phenotypic variation in a single family (Farrell and Ochs), 225
- Neurootology
- galvanic vestibular tests in assessment of coma and brain death (Toglia et al), 294
- Nucleic acid hybridization
- prolonged intracerebral infection with poliovirus in asymptomatic mice (Miller), 590
- Nystagmus, downbeat
- sustained upgaze in coma (Keane), 409
- Ocular bobbing
- inverse ocular bobbing (Knobler et al), 194
- Ocular motor system
- the ocular motor system (Spector and Troost), NEUROLOGICAL PROGRESS, 517
- Oligemia
- focal hyperemia followed by spreading oligemia and impaired activation of rCBF in classic migraine (Olesen et al), 344
- Oligoclonal bands
- comparison of agar gel electrophoresis and isoelectric focusing in multiple sclerosis and subacute sclerosing panencephalitis (Mattson et al), 34
- Oligodendrocytes
- evidence for "dying-back" gliopathy in demyelinating disease (Ludwin and Johnson), 301
 - multiple sclerosis serum and cerebrospinal fluid immunoglobulin binding to Fc receptors of oligodendrocytes (Ma et al), 371
- Olivary hypertrophy
- brainstem auditory evoked responses and palatal myoclonus, cause of AER abnormalities (Gøthgen et al), LETTER, 309; reply (Epstein et al), LETTER, 309
- Ophthalmoparesis
- transient ophthalmoparesis with doxepin overdosage (Lewitt), LETTER, 618
- Ophthalmoplegia
- gaze paresis in amitriptyline overdose (Delaney and Light), LETTERS, 513
- Optic neuritis
- prognosis of optic neuritis with special reference to cerebrospinal fluid immunoglobulins and measles virus antibodies (Nikoskelainen et al), 545
- Oromandibular dystonia
- blepharospasm and oromandibular dystonia (Meigs's syndrome) in sisters (Nutt and Hammerstad), 189
- Pain
- pain II, new approaches to management (Fields), NEUROLOGICAL PROGRESS, 101
- Pain, abdominal
- diabetic thoracoabdominal neuropathy, clinical and electrodiagnostic features (Sun and Streib), 75
- Palatal myoclonus
- brainstem auditory evoked responses and palatal myoclonus, cause of AER abnormalities (Gøthgen et al), LETTER, 309; auditory fiber crossing (Whittaker), LETTER, 309; reply (Epstein et al), LETTER, 309
 - palatal myoclonus responding to carbamazepine (Sakai et al), LETTER, 199
- Paralysis
- adult-onset acid maltase deficiency presenting as diaphragmatic paralysis (Sivak et al), 613
- Parkinsonism
- lisuride in parkinsonism (Parkes et al), 48
 - parkinsonism provoked by alcoholism (Carlen et al), 84
 - spinocerebellar degeneration with parkinsonian features, (Weir and Fan), 87
- Patient compliance
- costs of anticonvulsant therapy (Goldberg), LETTER, 95
- Pediatric disorders. *See* Childhood; Infancy
- Periodic synchronous discharge
- periodic synchronous discharge and myoclonus in Creutzfeldt-Jakob disease, diagnostic application of jerk-locked averaging method (Shibasaki et al), 150
- Peripheral neuropathy
- arsenic and antique copper, potential source for intoxication and development of peripheral neuropathy (Jones), LETTER, 93
 - diabetic thoracoabdominal neuropathy, clinical and electrodiagnostic features (Sun and Streib), 75
 - nerve fiber conduction velocity distributions, studies of normal and diabetic human nerves Cummins and Dorfman), 67
 - peripheral neuropathy due to lithium intoxication (Uchigata et al), LETTER, 414
 - permanent axotomy, model of axonal atrophy and secondary segmental demyelination and remyelination (Dyck et al), 575
 - progressive sensory neuropathy in patients without carcinoma, disorder with distinctive clinical and electrophysiological findings (Kaufman et al), 237
- Peroneal muscle atrophy. *See* Motor neuron disease
- Phenobarbital
- adverse effects of phenobarbital on morphological and biochemical development of fetal mouse spinal cord neurons in culture (Bergey et al), 584
 - low blood levels of phenobarbital due to poor gastrointestinal solubility of phenobarbital tablets (Alvarez et al), LETTER, 309
- Phenotypic variation
- G_{M1} gangliosidosis, phenotypic variation in a single family (Farrell and Ochs), 225
- Phrenic motoneurons
- preservation of phrenic motoneurons in Werdnig-Hoffmann disease (Kuzuhara and Chou), 506
- Plasmapheresis
- treatment of acute inflammatory polyneuropathy (Hughes et al), S125
- Pleocytosis
- postictal pleocytosis (Schmidley and Simon), 81
- Pokeweed mitogen
- abnormal regulation of in vitro IgG production in multiple sclerosis (Kelley et al), 267
- Poliovirus
- prolonged intracerebral infection with poliovirus in asymptomatic mice (Miller), 590
- Polyamines
- altered muscle polyamine levels in human neuromuscular diseases (Kaminska et al), 605
- Polyneuritis
- chronic relapsing polyneuritis associated with pregnancy (Jones and Berry), NOTE, 413

- Pontine myelinolysis**
demyelination of lateral geniculate nucleus in central pontine myelinolysis (Goldman and Horoupian), 185
- Positron emission computed tomography**
correlation of criteria used for localizing epileptic foci in patients considered for surgical therapy of epilepsy (Engel et al), 215
- Prednisolone**
treatment of acute inflammatory polyneuropathy (Hughes et al), S125
- Prednisone**
chronic relapsing (dysimmune) polyneuropathy, pathogenesis and treatment (Dalakas and Engel), S134
- Pregnancy**
chronic relapsing polyneuritis associated with pregnancy (Jones and Berry), NOTE, 3
- Pregnancy and epilepsy**
epilepsy in adults (So and Penry), NEUROLOGICAL PROGRESS, 3
- Prognosis**
leukocyte and bacterial interrelationships in experimental meningitis (Giampaolo et al), 328
prognosis of optic neuritis with special reference to cerebrospinal fluid immunoglobulins and measles virus antibodies (Nikoskelainen et al), 545
- Prognostic signs**
prognostic indicators in hemiparetic cerebral palsy (Cohen and Duffner), 353
- Propranolol**
catecholamine-associated refractory hypertension following acute intracranial hemorrhage, control with propranolol (Feibel et al), 340
essential tremor treated with propranolol, lack of correlation between clinical effect and plasma propranolol levels (Sørensen et al), 53
- Prostate**
estrogens and migraine (Damasio and Corbett), LETTER, 92
- Pseudobulbar palsy**
lithium carbonate in pseudobulbar palsy (Massey and Lowe), LETTER, 97
- Psychological depression**
mood change following left hemispheric brain injury (Robinson and Szetela), 447
- Pulmonary edema**
neurogenic pulmonary edema in unexpected, unexplained death of epileptic patients (Terrence et al), 458
- Putrescine**
altered muscle polyamine levels in human neuromuscular diseases (Kaminska et al), 605
- Pyruvate dehydrogenase**
normal muscle pyruvate oxidation in spinocerebellar degenerations (Evans), LETTER, 93
- Rabbits**
experimental allergic neuritis induced by galactocerebroside (Saida et al), S87
leukocyte and bacterial interrelationships in experimental meningitis (Giampaolo et al), 328
- Rats**
adverse effects of phenobarbital on morphological and biochemical development of fetal mouse spinal cord neurons in culture (Berger et al), 584
effect of thiamine deficiency on local cerebral glucose utilization (Hakim and Pappius), 334
evidence for "dying-back" gliopathy in demyelinating disease (Ludwin and Johnson), 301
influence of immaturity on hypoxic-ischemic brain damage in the rat (Rice et al), 131
local cerebral glucose utilization in thermally traumatized rat brain (Pappius), 484
myasthenia induced by monoclonal anti-acetylcholine receptor antibodies, clinical and electrophysiological aspects (Burres et al), 563
prolonged intracerebral infection with poliovirus in asymptomatic mice (Miller), 590
role of hydrostatic pressure in ischemic brain edema (Kogure et al), 273
treatment of acute inflammatory polyneuropathy (Hughes et al), S125
- Recovery**
measurement of early spontaneous recovery from aphasia with stroke (Hartman), 89
- Regulatory T cells**
immunoregulation (Taurog), S107
- REM sleep**
absence of REM sleep in patients with spinocerebellar degeneration and slow saccades (Masdeu et al), LETTER, 95
- Remyelination**
permanent axotomy, a model of axonal atrophy and secondary segmental demyelination and remyelination (Dyck et al), 575
- Retraction**
retraction (Kark et al), LETTER, 514
- Reviews. See Neurological progress**
- Reye syndrome**
staging in Reye syndrome (Haller), LETTER, 198
- RNA analysis**
molecular approach to diagnosis of virus infections (Brown), S39
- Rubella virus**
characterization of immune complexes in progressive rubella panencephalitis (Coyle and Wolinsky), 557
- Saccadic eye movements**
absence of REM sleep in patients with spinocerebellar degeneration and slow saccades (Masdeu et al), LETTER, 95
the ocular motor system (Spector and Troost), NEUROLOGICAL PROGRESS, 517
saccadic eye movement strategies in patients with homonymous hemianopia (Meienberg et al), 537
- Seizures**
myoclonic seizures following chlorambucil overdose (Byrne et al), 191
- Sensory neuropathy**
progressive sensory neuropathy in patients without carcinoma, disorder with distinctive clinical and electrophysiological findings (Kaufman et al), 237
- Sialidase**
chronic G_{M1} gangliosidosis presenting as dystonia, biochemical studies (Kobayashi and Suzuki), 476
- Skin biopsy**
ultramicroscopic study of skin and conjunctival biopsies in chronic neurological disorders of childhood (Arsenio-Nunes et al), 163
- Sleep apnea**
epilepsy complicated by sleep apnea (Wyler and Weymuller), 403

- Sleep disorders**
 epilepsy complicated by sleep apnea (Wyler and Weymuller), 403
 γ -hydroxybutyrate in narcolepsy (Price et al), LETTER, 198
- Somatosensory evoked responses.** *See* Evoked responses, sensory
- Spermidine**
 altered muscle polyamine levels in human neuromuscular diseases (Kaminska et al), 605
- Spermine**
 altered muscle polyamine levels in human neuromuscular diseases (Kaminska et al), 605
- Spinal cord**
 adverse effects of phenobarbital on morphological and biochemical development of fetal mouse spinal cord neurons in culture (Bergey et al), 584
 preservation of phrenic motoneurons in Werdnig-Hoffmann disease (Kuzuhara and Chou), 506
 reduced glycine receptor in spinal cord in amyotrophic lateral sclerosis (Hayashi et al), 292
- Spinal cord compression**
 compressive myelopathy in mucopolysaccharidosis (Ballenger et al), LETTER, 413
 hand wasting in spondylotic high cord compression, electromyographic study (Stark et al), 58
- Spinal cord infarction**
 spinal cord infarction secondary to intervertebral disc embolism (Srigley et al), 296
- Spinal degeneration**
 pattern-reversal visual evoked potentials in hereditary ataxias and spinal degenerations (Bird and Crill), 243
- Spinocerebellar degeneration**
 absence of REM sleep in patients with spinocerebellar degeneration and slow saccades (Masdeu et al), LETTER, 95
 brainstem auditory evoked responses in spinocerebellar degeneration and Wilson disease (Fujita et al), 42
 canine inherited ataxia (Cork et al), 492
 normal muscle pyruvate oxidation in spinocerebellar degenerations (Evans), LETTER, 93
 spinocerebellar degeneration with parkinsonian features (Weir and Fan), 87
- Stapedial reflex**
 comparison of stapedial reflex fatigue with repetitive stimulation and single-fiber EMG in myasthenia gravis (Kramer et al), 531
- Status epilepticus**
 complex partial status epilepticus in young children (McBride et al), 526
 postictal pleocytosis (Schmidley and Simon), 81
- Stiff-man syndrome**
 baclofen in treatment of stiff-man syndrome (Miller and Korsvik), 511
- Stilbestrol**
 estrogens and migraine (Damasio and Corbett), LETTER, 92
- Stroke.** *See also* Cerebral hemorrhage
 antidiuretic hormone levels in stroke patients (Joynt et al), 182
 factor VIII and thrombotic stroke (Furlow), LETTER, 620; reply (Furie and Kosik), LETTER, 620
 measurement of early spontaneous recovery from aphasia with stroke (Hartman), 89
 mood change following left hemispheric brain injury (Robinson and Szetela), 447
- Subacute sclerosing panencephalitis**
 comparison of agar gel electrophoresis and isoelectric focusing in multiple sclerosis and subacute sclerosing panencephalitis (Mattson et al), 34
 encephalitis after inhalation of measles virus, pathogenetic study in hamsters (Parhad et al), 21
 measles virus and chronic neurological diseases (Choppin), EDITORIAL, 17
 nerve cell fusion in a case of subacute sclerosing panencephalitis (Paula-Barbosa and Cruz), 400
 quantification of de novo central nervous system IgG measles antibody synthesis in SSPE (Tourtellotte et al), 551
- Subarachnoid hemorrhage.** *See* Cerebral hemorrhage
- Supratentorial hemorrhage.** *See* Cerebral hemorrhage
- Synapses**
 ultrastructure of tuberous sclerosis, cortical tuber and subependymal tumor (Trombley and Mirra), 174
- Syphilis**
 palatal myoclonus responding to carbamazepine (Sakai et al), LETTER, 199
- T cell suppression**
 abnormal regulation of in vitro IgG production in multiple sclerosis (Kelley et al), 267
- Telemetered electroencephalography**
 epilepsy in adults (So and Penry), NEUROLOGICAL PROGRESS, 3
- Temporal lobe epilepsy**
 complex partial status epilepticus in young children (McBride et al), 526
- Temporospatial slowing of conduction**
 temporospatial effects on orthodromic sensory potential propagation during ischemia (Nielsen and Kardel), 597
- Thiamine deficiency**
 effect of thiamine deficiency on local cerebral glucose utilization (Hakim and Pappius), 334
- Thoracic neuropathy**
 diabetic thoracoabdominal neuropathy, clinical and electrodiagnostic features (Sun and Streib), 75
- Tissue culture**
 adverse effects of phenobarbital on morphological and biochemical development of fetal mouse spinal cord neurons in culture (Bergey et al), 584
- Tourette syndrome**
 cervical disc herniation in Gilles de la Tourette syndrome (Brill et al), LETTER, 311
- Toxicity**
 asterixis and encephalopathy following metrizamide myelography, investigations into possible mechanisms and review of the literature (Bertoni et al), 366
 peripheral neuropathy due to lithium intoxication (Uchigata et al), LETTER, 414
- Tracheostomy**
 epilepsy complicated by sleep apnea (Wyler and Weymuller), 403
- Transcutaneous electrical nerve stimulation**
 pain II, new approaches to management (Fields), NEUROLOGICAL PROGRESS, 101
- Transmitter receptor binding**
 reduced glycine receptor in spinal cord in amyotrophic lateral sclerosis (Hayashi et al), 292
- Tremor**
 amantadine in essential tremor (Manyam), NOTE, 198

- Tremor** (*continued*)
 essential tremor treated with propranolol, lack of correlation between clinical effect and plasma propranolol levels (Sørensen et al), 53
- Tricyclic antidepressants**
 pain II, new approaches to management (Fields), *NEUROLOGICAL PROGRESS*, 101
- Trigeminal nerve**
 ectopic impulse generation in demyelinated axons, effects of PaCO_2 , pH, and disodium edetate (Burchiel), 378
- Trigeminal neuralgia**
 somatosensory evoked potentials following trigeminal nerve stimulation in trigeminal neuralgia (Stöhr et al), 63
- Tuberous sclerosis**
 ultrastructure of tuberous sclerosis, cortical tuber and subependymal tumor (Trombley and Mirra), 174
- Tumors**
 ataxic hemiparesis from midbrain mass (Bendheim and Berg), 405
 estrogens and migraine (Damasio and Corbett), *LETTER*, 92
 measurement of erythropoietin levels in follow-up of patients with cerebellar hemangioblastoma (Pololi-Anagnostou and Anagnostou), *LETTER*, 94
- Ultrastructure**
 compressive myelopathy in mucopolysaccharidosis (Ballenger et al), *LETTER*, 413
- Vaccination**
 Guillain-Barré syndrome, its epidemiology and associations with influenza vaccination (Schonberger et al), S31
- Varicella-zoster**
 multifocal varicella-zoster virus leukoencephalitis temporally remote from herpes zoster (Horten et al), 251
- Vascular adrenergic response**
 vascular adrenergic receptor responses in skeletal muscle in myotonic dystrophy (Mechler and Mastaglia), 157
- Vascular permeability**
 enhanced vascular permeability in acute disseminated vasculomyelinopathy (Rudick and Eskin), *LETTER*, 621; reply (Reik), *LETTER*, 621
- Vasculomyelinopathy**
 enhanced vascular permeability in acute disseminated vasculomyelinopathy (Rudick and Eskin), *LETTER*, 621; reply (Reik), *LETTER*, 621
- Vasopressin**
 antidiuretic hormone levels in stroke patients (Joynt et al), 182
- Vertical gaze**
 the ocular motor system (Spector and Troost), *NEUROLOGICAL PROGRESS*, 517
 sustained upgaze in coma (Keane), 409
- Vertigo**
 vestibular testing in basilar artery migraine (Eviatar), 126
- Vestibular dysfunction**
 vestibular testing in basilar artery migraine (Eviatar), 126
- Vestibular tests**
 galvanic vestibular tests in assessment of coma and brain death (Toglia et al), 294
 vestibular testing in basilar artery migraine (Eviatar), 126
- Viral antibodies**
 characterization of immune complexes in progressive rubella panencephalitis (Coyle and Wolinsky), 557
 prognosis of optic neuritis with special reference to cerebrospinal fluid immunoglobulins and measles virus antibodies (Nikoskelainen et al), 545
 quantification of de novo central nervous system IgG measles antibody synthesis in SSPE (Tourtellotte et al), 551
 viral antibody activity of oligoclonal and polyclonal immunoglobulins synthesized within the central nervous system in multiple sclerosis (Roström et al), 569
- Viral antibody response**
 prolonged intracerebral infection with poliovirus in asymptomatic mice (Miller), 590
- Viral infections.** *See* Infectious diseases
- Virus diagnosis**
 molecular approach to diagnosis of viral infections (Brown), S39
- Virus mutants**
 mechanisms of virus persistence (Johnson et al), *CONFERENCE REPORT*, 616
- Virus persistence**
 mechanisms of virus persistence (Johnson et al), *CONFERENCE REPORT*, 616
- Virus transmission**
 nerve cell fusion in a case of subacute sclerosing panencephalitis (Paula-Barbosa and Cruz), 400
- Visual disturbances.** *See* Eye movement disorders; Hemianopia; Ophthalmoplegia
- Visual evoked responses.** *See* Evoked responses, visual
- Vitamin B₁₂ deficiency**
 evoked responses in vitamin B₁₂ deficiency (Krumholz et al), 407
- Water balance**
 antidiuretic hormone levels in stroke patients (Joynt et al), 182
- Werdnig-Hoffmann disease.** *See* Motor neuron disease
- Wernicke-Korsakoff syndrome**
 effect of thiamine deficiency on local cerebral glucose utilization (Hakim and Pappius), 334
- Wilson disease**
 brainstem auditory evoked responses in spinocerebellar degeneration and Wilson disease (Fujita et al), 42
- Wrong-way eyes**
 "wrong-way eyes" in supratentorial hemorrhage (Pessin et al), 79

